Attorney's Docket No.: 15670-020001/SD 2001-041-2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Sanjay Nigam
Serial No.: 09/965,651
Filed : September 25, 2001
Title : METHODS FOR COMBATTING ISCHEMIC INJURY TO EPITHELIAL ORGANS

Art Unit: 1614
Examiner: Unknown

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Applicants call attention to the attached Information Disclosure Statement and documents listed on form PTO-1449.

This filing is being made before the receipt of a first Office action on the merits. No fee is required.

The documents are in the English language; hence no concise explanation is necessary per Rule 98(a)(3).

Consideration of the foregoing and enclosures plus the return of a copy of the enclosed form PTO-1449 with the

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I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Examiner's initials in the left column per MPEP 609 are earnestly solicited along with an early action on the merits.

Please apply any additional charges or credits to Deposit Account No. 06-1050.

Respectfully submitted,

Date: 9/11/03

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Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 15670-020001	Application No. 09/965,651
Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Sanjay Nigam	
		Filing Date September 25, 2001	Group Art Unit 1614

U.S. Patent Documents

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

Foreign Patent Documents or Published Foreign Patent Applications

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation Yes	Translation No
	AL							
	AM							
	AN							
	AO							
	AP							

Other Documents (include Author, Title, Date, and Place of Publication)

Examiner Initial	Desig. ID	Document
	AQ	Kuznetsov, et al., "Perturbations in maturation of secretory proteins and their association with endoplasmic reticulum chaperones in a cell culture model for epithelial eschemia", Proc. Natl. Acad. Sci., Vol. 93, pp. 8584-8589, August, 1996
	AR	Molitoris, et al., "Role of the actin cytoskeleton in ischemia-induced cell injury and repair", Pediatric Nephrol., Vol. 11, pp. 761-767. 1997
	AS	Bush, et al., "Selective degradation of E-cadherin and dissolution of E-cadherin-catenin complexes in epithelial ischemia", Am. J. Physiol. Renal Physiol., Vol. 278, pp. F847-852, 2000
	AT	Bush, et al., "Pretreatment with inducers of ER molecular chaperones protects epithelial cells subjected to ATP depletion", Am. J. Physiol. Renal Physiol., Vol. 277, pp. F211-218, 1999

Examiner Signature	Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 15670-020001	Application No. 09/965,651
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Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
	AU	Hammerman, et al., "Acute renal failure. III. The role of growth factors in the process of renal regeneration and repair", Am. J. Physiol. Renal Physiol., Vol. 279, pp. F3-F11, 2000
	AV	Steinberg, et al., "Cadherins and their connections: adhesion junctions have broader functions", Curr. Opin. Cell Biol., Vol. 11, No. 5, pp. 554-560, October, 1999
	AW	Le, et al., "Recycling of E-Cadherin: A Potential Mechanism for Regulating Cadherin Dynamics", The Journal of Cell Biology, Vol. 146, No. 1, pp. 219-232, July 12, 1999
	AX	Denker, et al., "Molecular structure and assembly of the tight junction", Am. J. Physiol. Renal Physiol, Vol. 274, pp. F1-F9, 1998
	AY	Gopalakrishnan, et al., "RHO GTPase signaling regulates tight junction assembly and protects tight junctions during ATP depletion", Am. J. Physiol. Cell. Physiol., Vol. 275, pp. C798-C809; 1998
	AZ	Tsukamoto, et al., "Role of tyrosine phosphorylation in the reassembly of occludin and other tight junction proteins", Am. J. Physiol. Renal Physiol., Vol. 276, pp. F737-750, 1999
	AAA	Ye, et al., "A role for intracellular calcium in tight junction reassembly after ATP depletion-repletion", Am. J. Physiol. Renal Physiol., Vol. 277, pp. F524-F532, 1999
	ABB	Nigam, et al., "A Set of Endoplasmic Reticulum Proteins Possessing Properties of Molecular Chaperones Includes Ca^{2+}-binding Proteins and Members of the Thioredoxin Superfamily", The Journal of Biological Chemistry, Vol. 269, No. 3, pp. 1744-1749, January 21, 1994
	ACC	Bush, et al., "Proteasome Inhibition Leads to a Heat-shock Response, Induction of Endoplasmic Reticulum Chaperones, and Thermotolerance", The Journal of Biological Chemistry, Vol. 272, No. 14, pp. 9086-9092, April 4, 1997
	ADD	Dong, et al., "Intracellular CA^{2+} Thresholds That Determine Survival or Death of Energy-Deprived Cells", American Journal of Pathology, Vol. 152, No. 1, pp. 231-240, January 1998
	AEE	Kribben, et al., "Evidence for Role of Cytosolic Free Calcium in Hypoxia-Induced Proximal Tubule Injury", J. Clin. Invest., Vol. 93, pp. 1922-1929, May, 1994
	AFF	Liu, et al., "Endoplasmic Reticulum Stress Proteins Block Oxidant-induced CA^{2+} Increases and Cell Death", The Journal of Biological Chemistry, Vol. 273, No. 21, pp. 12858-12862, May 22, 1998
	AGG	Yu, et al., "The Endoplasmic Reticulum Stress-Responsive Protein GRP78 Protects Neurons Against Excitotoxicity and Apoptosis: Suppression of Oxidative Stress and Stabilization of Calcium Homeostasis", Experimental Neurology, Vol. 155, No. 2, pp. 302-314, February, 1999
	AHH	Bian, et al., "Roles of Cytoplasmic Ca^{2+} and intracellular CA^{2+} stores in induction and suppression of apoptosis in S49 cells", American Journal of Physiology, Vol. 272, No. 4, pp. C1241-1249, April, 1997
	AII	Bush, et al., "Genesis and reversal of the ischemic phenotype in epithelial cells", The Journal of Clinical Investigation, Vol. 106, No. 5, pp. 621-626, September, 2000

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